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ASHUS 系列

涡旋式空气压缩机

压缩机

公司
SHANGHAI HANBELL PRECISION MACHINERY CO., LTD.

 上海汉钟精机股份有限公司



汉钟·上海

汉钟精机简介

上海汉钟精机股份有限公司,是专业的螺杆式压缩机及相关产品制造工厂,在空调、冷冻冷藏、压缩空气、真空泵等领域为建立中国自主高精密技术不断前进。

汉钟拥有专业的设计研发团队,每年推出新不断创造新的产品服务体系,以传统精实的生产团队,可以及时满足客户产品的规格要求,具有多年经验的服务人员,使客户无后顾之忧。

历经多年发展,现已成为国内领先螺杆压缩机制造商,以自主品牌“HARBELL”全球销售。

Shanghai Harbell Seiki Limited by Share Ltd, is the screw and scroll compressor professional and related products manufacturing plant, air conditioning, refrigeration, compressed air, vacuum pump and other fields for the establishment of China independent high precision technology progress.

Harbell has a professional design and development team, new year had constantly create new products and service industry. The well-trained production team can meet any specification requirements from customers, and have experienced service personnel. They can support customers in any corner of the world anytime and place, so that customers will have no worries.

After years of Guilian Harbell has become well-known international manufacturers across five continents, with its own brand "HARBELL" global marketing. Continued investment in resources for the Chinese mainland market, is to become the "China Compressor first brand" fully reflected.

资质/荣誉：





智能制造

“工业4.0”、“智能制造”已是制造业发展的大趋势。汉钟作为流体机电行业的领军企业，始终走在技术发展的前沿。汉钟智能4.0提高了汉钟的智能化水平，降低能耗，提高生产效率，节能环保，成就无污染的绿色智能工厂。

Intelligent manufacturing

"Industry 4.0", "smart manufacturing" is the development trend of manufacturing. Hanzhong as a fluid mechanical and electrical industry leader, always walk in the forefront of technology development. Hanzhong intelligent 4.0 will improve the production efficiency, intelligent Han Zhong, reduce energy consumption, improve production efficiency, energy saving and environmental protection, achieve zero pollution green intelligent factory.

1、磨床加工机
Grinding machine

2、车床加工机
Lathe machine

3、三次元量床
Coordinate measurement machine

4、表面粗糙度测量床
The surface roughness measuring bed

5、零部件清洗系统
Parts cleaning system

6、涡旋机体组装线
Scroll assembly line

7、涡旋机体检测中心
Scroll body inspection center

8、涡旋空压机组装线
Assembly line of scroll compressor

9、涡旋机组件的检测中心
Scroll unit performance test center

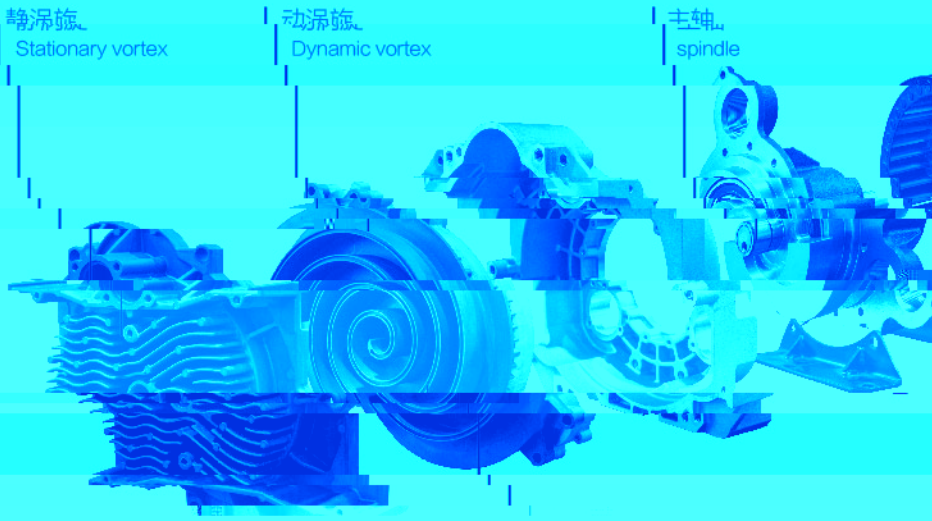
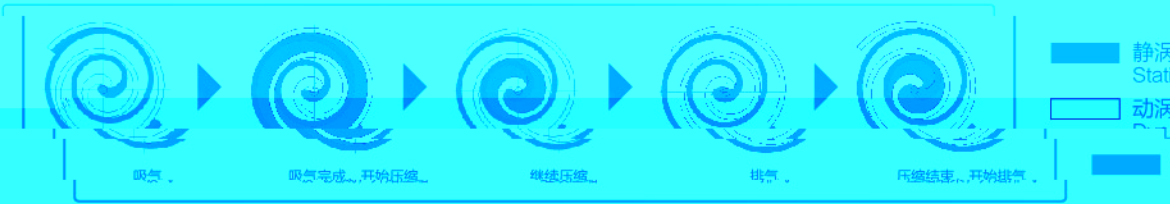
无油涡旋式空气压缩机原理

Principle of oil-free scroll compressor

汉钟涡旋压缩机采用专利型线的动静涡盘相互啮合而成完成吸气、压缩和排气的工作过程。其中静盘固定在机架上不动，动盘安装在偏心轴上随偏心轴转动而转动，动盘与静盘在机架上形成的月牙形空间即为压缩腔。在压缩腔的渐狭部分气体被压缩，在压缩腔的扩张部分气体膨胀。

工作时，随着偏心轴转动，动盘在静盘内作行星运动，在动盘与静盘之间形成一个月牙形压缩腔。随着偏心轴转动，压缩腔的容积逐渐减小，气体被压缩，然后由静盘的排气口排出。

Hanzhong Scroll Compressor uses a patented line of static and dynamic scrolls which mesh with each other to complete the work of suction, compression and discharge. The static scroll is fixed on the frame and does not move, while the dynamic scroll is installed on the eccentric shaft and rotates with the eccentric shaft. The dynamic scroll and the static scroll form a crescent-shaped space on the frame, which is the compression chamber. In the narrow part of the compression chamber, the gas is compressed, and in the expansion part, the gas expands. When working, with the rotation of the eccentric shaft, the dynamic scroll makes a planetary motion in the static scroll, forming a crescent-shaped compression chamber. As the eccentric shaft rotates, the volume of the compression chamber gradually decreases, the gas is compressed, and then discharged from the exhaust port of the static scroll.



强大的产品
为每一辆汽车设计
Powerful products
Designed for every car

涡旋式压缩机，是目前世界上最先进的压缩机之一。比较传统微油空压机存在漏油风险，导致车辆着火，损害生灵，零部件老化，严重危及乘客生命安全。汉钟新型ASF系列无油涡旋空压机全无油设计，杜绝漏油问题，零故障运行，为生命保驾护航，并采用世界领先的盲设计(专利技术)，使整机防护等级达到IP67。

Scroll compressor, compressor is one of the world's most advanced. Compared with the traditional micro-oil compressor, scroll compressor oil leak risk, causing the vehicle on fire, brake failure, aging components, seriously endanger the safety of the passengers. The new ASF series Hanbell oil-free scroll air compressor oil free design, prevent leakage, zero fault operation, for life escort, and direct the world's leading blind design (patent technology), making the whole machine protection grade up to IP67.

无油涡旋空压机规格表

Oil-free scroll air compressor specification sheet

型号 Model	额定输入功率 Rated input power kW / CV / HP	额定气压 Rated pressure bar	空气自由量 Air protrusion L/min	排气接口 Exhaust interface inch	噪音值 Noise value dB(A)
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汉钟

↑
高容积效率
60%
最高转速
12000转/分



超低重量
LOW WEIGHT.

降低运营成本，增加运行时间。
Reduce operating costs and increase runtimes.



超小体积
SMALL FOOTPRINT.

充分利用有限的空间
Make full use of limited space



超低噪音
LOW SOUND.

确保环境的舒适
To ensure the comfort of the environment



超高节能
ULTRA-HIGH ENERGY

智能控制，循环启停控制节能降耗。
Intelligent control, regular start and stop control to save energy.



超低运行成本
LOW LIFECYCLE COSTS

易操作和维修，无易损件。
Easy to operate and repair, no wearing parts.



高可靠性
HIGH RELIA

涡旋设计最佳化，精度精密。
Swirl design optimization, precision precision.

无油涡旋机组设计特点:

Oil-free scroll unit design features:



微油涡旋机组设计特点:

Oil-less scroll air compressor design features:



微油涡旋机组规格表

Oil-less scroll air compressor specification table

型号 Model	马达输出功率 Motor output power		额定气压 Rated pressure	空气突出量 Air protrusion	排气接口 Exhaust interface
	kW	HP	bar	L/min	inch

无油涡旋机组规格表 Oil-free scroll air compressor unit specification table

型号 Model	马达输出功率 Motor output power		额定气压 Rated pressure	空气突出量 Air protrusion	排气接口 Exhaust interface	噪音值 Noise value
	kW	HP	bar	L/min	inch	dB(A)

► 应用领域
application



4S店（车辆喷漆）/ 新能源大巴（制动、雨刷气门）
4S shop (car spray, painting) / new energy bus (brake, wiper valve),



医疗器械（牙医、制氧等医疗气源）
Medical instruments (dentist, oxygen and other medical sources)



电子工业（装配清洁用气）
Electronics industry (assembly, cleaning gas),



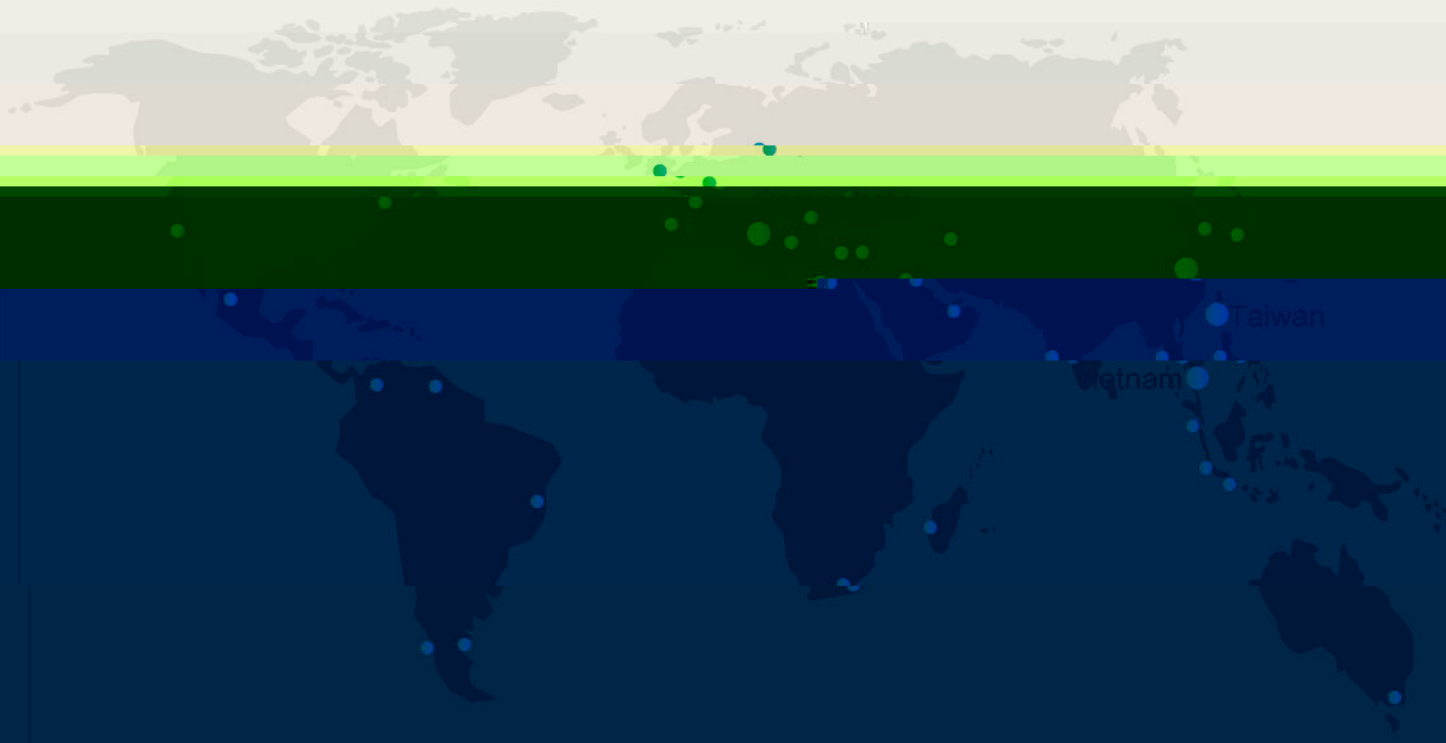
制药工业（制药业的搅拌）
Pharmaceutical industry (agitation of pharmaceutical industry)



食品工业（酿造业的搅拌）
Food industry (agitation of brewing industry)



► 服务与支持
Service And Support



汉钟精机经过多年的努力与用心经营，从点的销售、线的推广到今天面的网络。建立了世界主要市场的全方位销售网络。

台湾桃园厂与大陆上海厂的双重支持保证销售的灵活性与稳定性。各地分公司与经销商的有效支持使汉钟产品在世界任何一个角落都能得到及时的服务与保证。

“创新、品质、服务”是汉钟的承诺，用完整的销售管理，结合各个产品销售网络，我们将提供最快捷、最有效